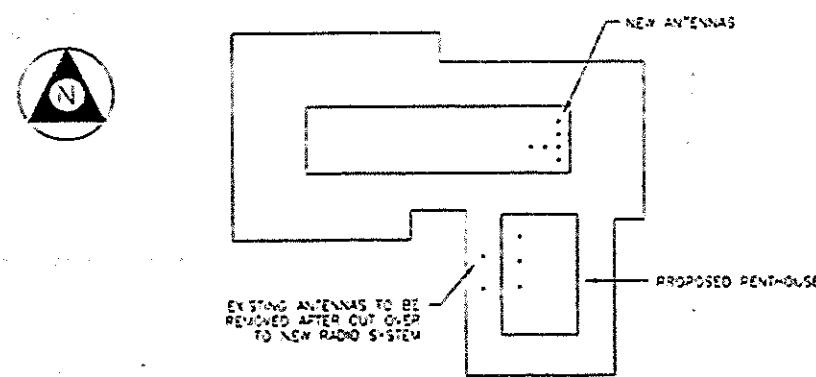
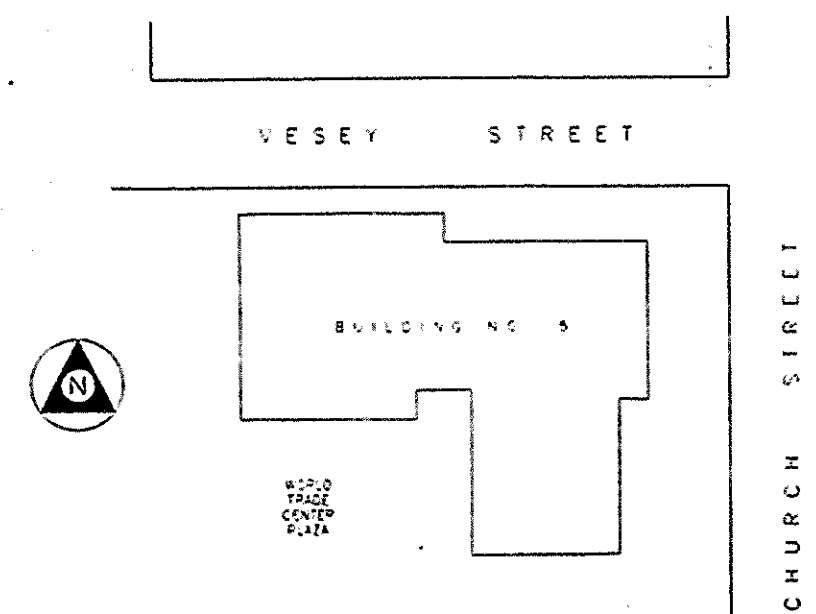


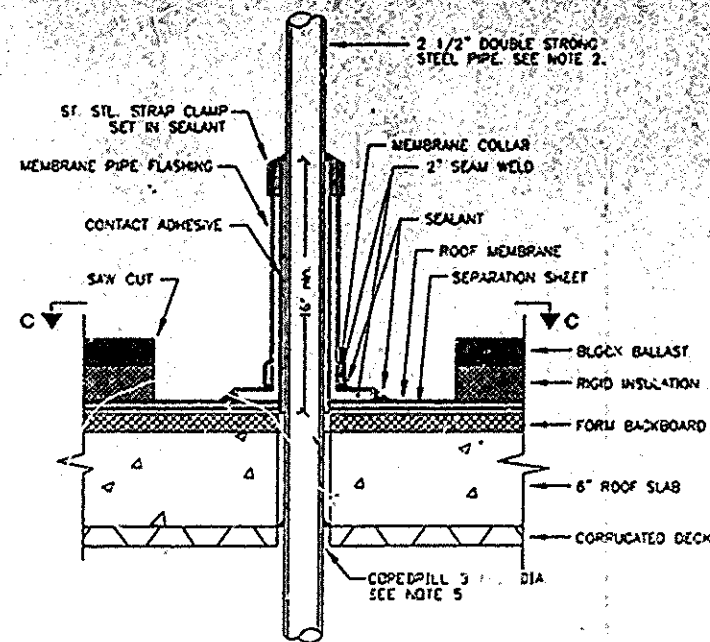
SECTION 'B-B'  
(NOT TO SCALE)



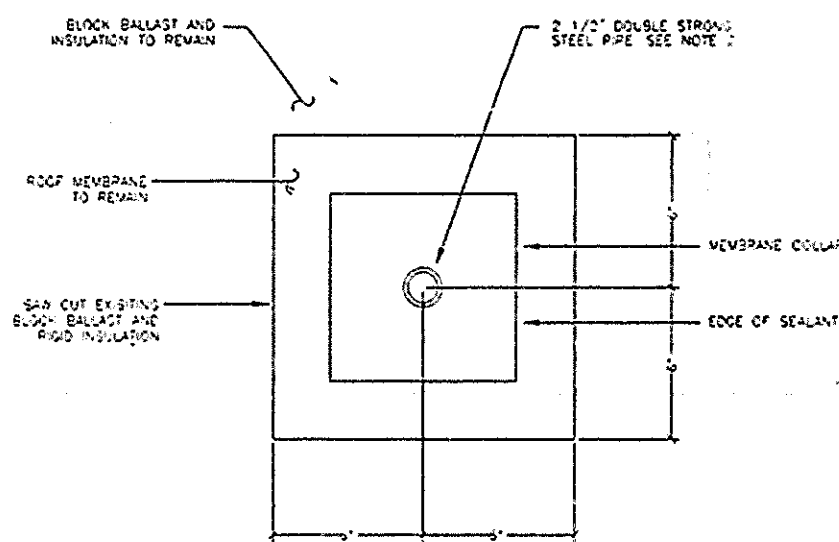
ROOF PLAN  
(NOT TO SCALE)



LOCATION PLAN  
(NOT TO SCALE)



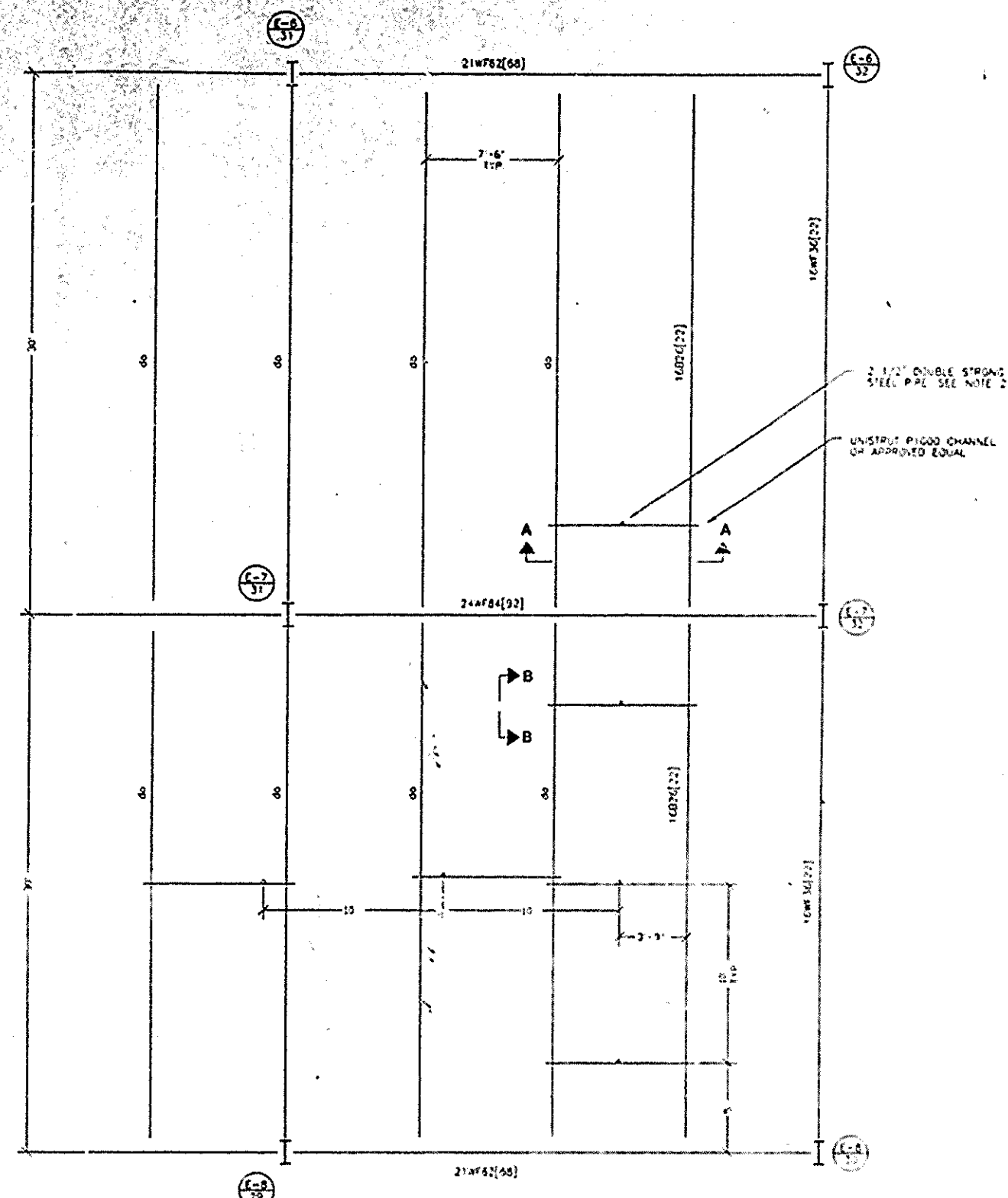
DETAIL 'A' (SEE NOTE 4)  
(NOT TO SCALE)



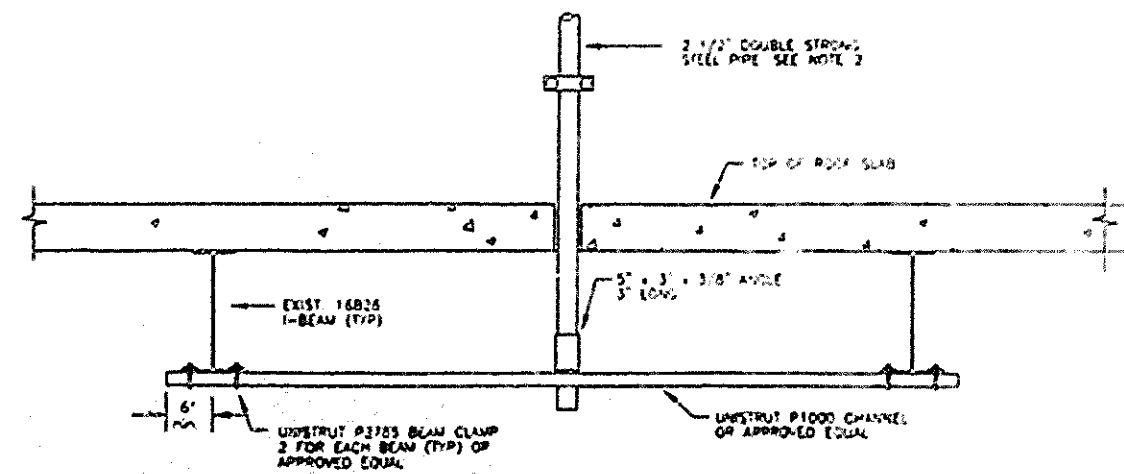
SECTION 'C-C'  
(NOT TO SCALE)

#### NOTES

- 1) LOCATE PIPE SUPPORT PENETRATION TO AVOID EXISTING UTILITIES AND/OR UTILITY SUPPORTS WHICH ARE NOT SHOWN.
- 2) STEEL PIPE SHALL BE ASTM A500 GRADE B GALVANIZED AS PER ASTM A123 GRADE 230.
- 3) PENETRATING GROUT SHALL BE FIVE STEP INSTANT GROUT AS MANUFACTURED BY U.S. GROUT CORP. OR APPROVED EQUAL.
- 4) \*DETAIL 'A' IS FOR INFORMATION PURPOSES ONLY.
- 5) ALL ROOFING DETAILS MUST BE APPROVED PRIOR TO CONSTRUCTION BY ROOFING MEMBRANE MANUFACTURER. TYPICAL ROOFING SYSTEM: DYNALIT NOBEL 260 MAIN ST. SUITE 110, NORTH POIT, LONG ISLAND N.Y. 11769 (PHONE: 516-751-2550). TO MAINTAIN THE ROOFING GUARANTEE.
- 6) CONTRACTOR SHALL TAKE CARE NOT TO CUT OR DAMAGE EXISTING REINFORCEMENT DURING COREDRILLING.
- 7) LIGHT GAUGE STEEL STRUT AND CONNECTING HARDWARE SHOWN ON DRAWING WITH MODEL NUMBER PREFIRED BY UPT SHALL BE UNISTRUT SYSTEM PARTS AS MANUFACTURED BY UNISTRUT CORPORATION OR AN APPROVED EQUAL.



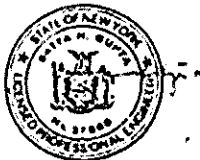
PARTIAL PLAN - EXISTING ROOF FRAMING



SECTION 'A-A'  
(NOT TO SCALE)

99 112

THE PORT AUTHORITY  
2007-2008



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A.P. PE  
**CONFORMED**  
2/9/98  
Ram Communications  
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10 Roodridge Center Drive  
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(908) 636-6970 Fax (908) 636-7260

The  
World  
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STANDBY POWER  
5 WORLD TRADE CENTER  
COMMUNICATIONS

ROOF TOP ANTENNA  
INSTALLATION

15 10 50  
AS NOTED  
WTC-945.071 M-804